

Guidance for the fixing of Attachments to Street Lighting Columns



April 2022

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1 - Introduction

This document has been written with reference to the Institution of Lighting Professionals documents 'Guidance on installation and Maintenance of Seasonal Decorations and Lighting Column Attachments' (PLG06), the 'Electrical Safety Code of Practice for Electrical Safety in Highway Electrical Operations (GP03) the county councils current lighting column specification, various legislation and appropriate Electrical Safety / Health and Safety regulations.

Due to their regular spacing and ready availability lighting columns are seen as an ideal means of promoting events and campaigns and are regularly used to support bunting, flower baskets, festive decorations, public awareness/information and event signage etc. In recent years we have started to experience a demand for lighting columns to support CCTV cameras and footfall counters and in time we expect to see a demand for other items such as 5G equipment, 'smart city' devices and electrical vehicle charging points.

There is a common misconception that lighting columns can automatically accommodate attachments of any type, size or weight. This assumption is generally incorrect as not all columns are the same and many are unsuitable due to their design, age and material type. A relatively light addition such as a sign can result in considerable extra load being exerted in a strong wind which can subsequently affect a columns structural stability leading to catastrophic failure, damage, injury or death.

The purpose of this document therefore is to set out the procedures that must be adhered to when attaching third-party equipment to county council owned street lighting columns. In order that we can confirm that the correct procedures have been followed we require all third-party attachments to lighting columns to be controlled by licence or consent in line with the provisions contained in the Highways Act 1980 and other legislation.

This guidance covers the attachment of seasonal items, such as flower baskets, festive decorations etc, items of a more permanent nature such as CCTV cameras and items of a short-term temporary nature such as signage for events, health campaigns and traffic survey equipment etc. More information relating to our detailed requirements for each attachment type be found in the Appendix B.

In applying for permission to attach items to street lighting columns we require at least 10-weeks' notice so that we can arrange site surveys and column testing works as appropriate. Where column replacements are required, works will take significantly longer than this.

2 - LCC Street Lighting Column Specification

Our street lighting column specification has changed several times over the years and the current specification is the lowest it has been in terms of our columns ability to support additional loads. In view of this, and the fact that many of our older lighting columns are now in less than prime condition, all requests will be assessed against the September 2017 column specification.

Provided columns are in an as-new condition, the current specification allows us, subject to other conditions being met, to attach one item that is no more than 0.3m² in size with a total weight of no more than 20kg. The 'as new' condition will be determined either by a columns age (i.e., <7 years old) or a condition test. In case of the latter the 'loss of section' test must be in the range of 0% to 10%.

3 - Licences / Consents

The county council as highway authority has various powers with regards to the control of the placing of equipment in the highway by third parties. The permissions relevant to street lighting columns are set out below: -

- **Highways Act 1980**

s178 (para 1) grants us powers to approve the placing of cable, wire or other similar apparatus over, along or across the highway,
s132 (para 2) grants us powers to remove any sign which has, without our consent or authorisation, been affixed to the highway, a tree, structure or works on the highway,
s149 grants us powers to remove items, including signs, placed within the highway that are considered a nuisance or a danger to highway users – including causing a danger by obstructing view.

- **New Roads and Streetworks Act 1991**

s50 (para 3) grants us powers to issue a licence that permits the placing of third-party apparatus within the highway,

- **Road Traffic Regulation Act 1984**

S65(para 1) grants us powers for the placing of temporary signs to housing sites to aid drivers to reduce unnecessary congestion and vehicle movements.

4 - General Considerations

Applicants need to make sure that where applicable, relevant planning and other consents have been obtained prior to making an application.

Where a sign or other attachment is already fitted, then no other equipment of any type will be permitted to be attached to that column regardless of its size or weight. Where there is no other attachment, we need to be sure that the proposed column is suitable, and the proposed attachment will not place too great a load in terms wind and/or weight on the column. To achieve this: -

- In terms of size – all attachments must be less than 0.3m² in area,
- Attachments, including brackets and fixings etc must collectively weigh no more than 20kg,
- We will only allow third-party equipment to be attached to steel lighting columns,
- Due to difficulties associated with testing heritage style street lighting columns and columns fitted with embellishment kits, will not permit attachments to these types of columns.

- All lighting columns over 7 years of age will be subject to a general column condition test,
- Where the column condition results show that the loss of section is greater than 10% this indicates that the column is not in an 'as new' state and it cannot be used to support an attachment.
- Attachments must not encroach within 0.5m of edge of carriageway edge and the minimum height over the footway shall be 2.5m.

Applicants must: -

- agree to the contents contained in this Guidance Document
- agree to our terms and within the licence/consent and return a signed licence/consent form prior to works starting on site,
- indemnify the council against any claims, costs and proceedings, howsoever arising, as a result of an attachments erection, retention and maintenance, and must provide evidence of Public Liability Insurance cover of at least £10m for any one incident,
- provide emergency contact details,
- agree to pay our reasonable costs associated with each application, costs to include but not limited to column testing, site/inventory investigations, costs associated with providing an electricity connection etc.
- agree to pay our licence fee of £70 per application and all column testing costs in accordance with the rates below. (Light weight correx signs such as British Legion Poppies are exempt from fees)

Number of columns	Cost per column (£) plus VAT
Up to 10	48
11 to 25	35
26 and over	20

Note: Parish and Town councils, and other charitable organisations, are exempt from column testing fees providing they give at least 10 weeks' notice of the installation date. Approved by Cabinet October 2022.

- agree to pay our licence fees and all column testing costs
- comply with all statutory requirements including the General Data Protection Regulations 2018 where appropriate,
- for items that are to be connected to an electricity supply, provide evidence that a Meter Point Administration Number (MPAN) is in place and agree to pay all resulting electricity charges.

We will not allow: -

- the attachment of litter bins and dog excrement receptacles,
- attachments that relate to any form of advertising, or obstruct or distract from traffic signals or highway signs,
- attachments that wish to make use of concrete, aluminium, cast iron, stainless steel, GRP (glass-reinforced polyester), passive safe or hinged columns,
- attachments that involve the use of traffic signs or traffic signal installations

Whilst we will automatically refuse applications that involve columns manufactured from material types that are unsuitable for attachments, we will endeavour to work with the applicant to find a suitable alternative. Where the column location is of strategic importance to the applicant and the column condition results indicate that the column is not suitable, we will consider replacing the existing column with a new one in the same place. In such cases the applicant is expected to pay all our costs associated with the supply, erection and connection of a new column and the disconnection and disposal of the old column. The new column can be supplied to a higher strength specification if appropriate.

The Highway Asset Manager reserves the right to refuse permission to attach any item to any lighting column which is considered to be unsuitable.

5 - Electricity Supplies

In order that we can consider requests for attachments that require an electricity supply, the applicant must provide evidence of a MPAN (Meter Point Administration Number). If a new MPAN is required these can be obtained free of charge from the relevant Distribution Network Operator, details as below: -

Distribution Network Operator	Email address
Electricity North West Ltd	Unmeteredsupplies@enwl.co.uk
Scottish Power (Manweb)	unmeteredsuppliesenquiries@sppowersystems.com
Northern Powergrid (YE)	Unmetered.supplies.operator@northernpowergrid.com

The county council is bound by the terms of the Connection Agreements in place with Electricity North West Ltd, Scottish Power and Northern PowerGrid. Under these terms, the county council is prohibited from providing unmetered connections to third parties without their express permission.

To date, the only approved third-party connections ENWL have authorised are those where the third-party equipment is directly attached to a lighting column. Whilst we are able to provide temporary supplies to festive decorations fixed to approved columns or adjacent property, this is on the condition that supplies are fed via waterproof sockets from inside the lighting column which are left unplugged outside of the festive period. When not in use, these should be attached directly to the lighting column and not left hanging freely.

Where we find permanent connections from our equipment to third party equipment other than legacy supplies to Christmas Tree feeder pillars, located anywhere other than on our columns, these will be removed without warning. We will also turn down requests for electricity supplies into nearby third-party columns, poles, feeder pillar junction boxes or other equipment types etc and we will remove any instances where such connections are found.

All electrical connection works must comply with the Electrical Safety Requirements outlined in Appendix 2

6 - Permissions

Once permission has been granted the Licensee assumes the primary responsibility for ensuring that the attachments and the work to install, operate, inspect, maintain and remove them, does not present a potential hazard to the public under the Health and Safety at Work Act and is fully compliant under both the Construction (Design and Management) Regulations and Electrical Safety Regulations as appropriate. Attention is drawn to Appendix A & B which contain specific advice with regards erecting attachments.

In granting permissions, the county council as highway authority may attach any reasonable terms and conditions to their licences/consents as considered appropriate. As all roads, location, column and attachment type combinations are different, such conditions are likely to be site specific.

In line with guidance contained in PLG06, licences or consents will be valid for no more than 30 months and may be less in certain situations. Following the expiry of a licence/consent period the applicant will need to re-apply for permission for the equipment to be re-affixed or remain in place for a further period and pay a further licence fee as appropriate.

Where we find that: -

- attachments have been fixed to lighting columns contrary to the provisions contained in this document, or
- the attachment differs in size or weight from that which was originally approved, or
- MPANS haven't been updated to reflect changes in electrical load or periods of operation, or
- attachments are considered to be unsafe or dangerous to the general public, or at an incorrect height or,
- attachments are in place outside of specified periods

licences / consents will be declared null and void and attachments may be removed without warning. Where this happens, they will only be returned once our reasonable removal and storage costs have been met in line with provisions contained in the Highways Act 1980.

Where permission is granted the Licensee: -

- is responsible for the Health and Safety of the general public, its own staff and any contractors appointed by the Licensee when carrying out any works associated with the equipment for which a Licence/Consent has been granted, and attention is drawn to Appendix 1 of this document,
- must not impede the progress of traffic and pedestrians during the erection or removal of any attachment and traffic management must be carried out in accordance with Chapter 8 of the Traffic Signs Manual,
- must not obscure any traffic signs, streetlights, CCTV cameras or signals or restrict the visibility of motorists.

- ensure that during the erection and removal of attachments that particular consideration is given to visually impaired, disabled and persons with prams and wheelchairs
- will arrange for and meet the cost of any traffic management measures considered necessary by the county council during the erection or removal of any attachment,

7 - Ongoing Requirements

Once permission has been granted it is the Licensee's responsibility to fix the attachment in line with the provisions contained within this document and attention is drawn to Appendix 2 which contains additional information that is 'Attachment Specific'.

The Licensee must, at their own expense continue to maintain the attachment and associated infrastructure in good repair throughout the licencing/consent period and carry out any periodic testing/inspections that is required. Where the Licensee refuses or neglects to carry out necessary works of maintenance, then the county council reserves the right to require immediate removal of the equipment at the expense of the Licensee. The county council reserves the right to disconnect and remove any equipment, which is considered to be unsafe, or a danger to the public. This work will be rechargeable to the Licensee.

The Licensee will be liable for any damage / injury caused to third parties that can be directly attributable to the attachment. Where the attachment causes damage to the lighting column this should be notified to the county council as soon as possible in order that remedial works can be carried out at the earliest opportunity. The Licensee will be invoiced for all remedial works and a failure to pay our costs or notify us of damage may result in the licence/consent being revoked.

If any street furniture to which an attachment is fixed becomes damaged or vandalised the county council will endeavour to retain the equipment, however the county council will not be held responsible for any consequential loss.

8 - Application Details

The Applicant is required to complete the Application Form at Appendix C which requests details relating to: -

- Proposed location of attachment – road name, column numbers,
- Proposed date of installation and proposed date of removal,
- A copy of current certificate of public liability insurance, covering duration of event
- Description of attachment to be used,
- Contact details of the applicant, including mobile and daytime/out of hours telephone number(s), e-mail address and postal address,

Health and Safety and Other Considerations

Accidents have happened where inappropriate attachments or fixing methods have been used to attach items to lighting columns. It is the legal duty of the person organising the attachments to ensure competent people are used for these works.

Construction, Design and Management (CDM) Regulations

Any works carried out in the public domain must be compliant with the current edition of the Construction, Design and Management (CDM) Regulations. These regulations place responsibility, and a legal duty, on the person organising, or project managing, works for ensuring the right people are engaged on the various aspects of the work.

This includes ensuring:

- that anyone hired to attach, remove or maintain attachments on a street lighting column is competent to do so and has the necessary skill, knowledge and/or experience of the particular type of work to be undertaken so as to identify and avoid danger,
- that the person carrying out the work is competent to use equipment needed to install, maintain and remove the attachment,
- that the person carrying out the work is competent to work on the highway is suitably proficient to work at height
- that sufficient time allowed to undertake the work,
- information about risks, hazards or other special arrangements, are shared with all parties,
- risk assessments and method statements are in place before works commence,
- that appropriate permissions have been obtained to work on the highway,
- where necessary a principal designer and principal contractor are appointed.

Electrical Safety Requirements

Where attachments involve an electricity supply, all equipment is to be installed in full compliance with the current edition of: -

- BS 7671: 2018 IET Wiring regulations 18th edition,
 - Electricity at Work Regulations 1989,
 - The Electricity Safety, Quality and Continuity Regulations 2002
 - Institution of Lighting Professionals 'Guidance on installation and Maintenance of Seasonal Decorations and Lighting Column Attachments' (PLG06)
 - Institution of Lighting Professionals 'Code of practice for electrical safety in highway electrical operations' (PLG03)
-
- All installed equipment should be subject to regular inspections and electrical testing, the results of which should be made available to county council upon request,

- Equipment shall be installed to the same standards as a permanent installation although it is appreciated that for installations of this nature cables may be installed temporarily. Cable supports must be arranged so that no appreciable mechanical strain is placed on any cable termination or joint,
- All plugs, sockets and connectors shall comply fully with BS4343/EN60309 and shall have an IP rating of not less than IP66 according to BS EN 60529:1992+A2:2013 unless used within a weatherproof enclosure with an IP rating of not less than IP66 according to BS EN 60529:1992+A2:2013,
- Any electrical cables less than 3 metres above ground level shall be fully enclosed in a high impact plastic or heavy-duty galvanised steel conduit that is securely fixed to a wall or lighting column. Where the conduit is attached to a lighting column the conduit shall be secured by means of 25mm stainless steel "Band and Buckle" tape and buckles at centres no greater than 1000mm. The top and bottom tapes shall be placed no more than 500mm from the end of the conduit. The conduit and/or its fixings must not obstruct the column door, or any traffic sign attached to it or impair normal maintenance.
- All steel conduits shall be effectively earthed
- Cables emerging from lighting column doors are not permitted

All persons who carry out any electrical works must be suitably experienced, qualified and competent to do so,

Traffic Management

In addition, when working on the highway, works need to be carried out with reference to -

- The Department of Transport's Traffic Signs Manual (Chapter 8) - Traffic Safety Measures and Signs for Road Works and Temporary Situations Part 1: Design 2009,
- Safety at Street Works and Road Works - A Code of Practice 2013
- New Roads and Street Works Act 1991,
- Traffic Management Act 2004
- Health and Safety at Work etc. Act 1974

Installation and Maintenance

It is highly recommended that where the Licensee's staff and/or appointed contractors are required to carry out works installation or maintenance on high-speed roads or on highway electrical equipment that all such personnel have been trained to the relevant National Highways Sector Schemes and are competent to do so.

In respect of high-speed roads, the National Highways Sector Schemes are 12A and 12B. For works on the public highway involving highway electrical equipment the relevant details are National Highway Sector Scheme 8 and the Highway Electrical Registration Scheme (HERS).

All the information above is provided as guidance only – it is the Licensee's responsibility to ensure that all works are carried out and are compliant with the appropriate legislation / regulations in force at the time

Attachment Specific Considerations

Banners

In applying for permission to attach banners, the applicant agrees to adhere to all sections and appendices of this document **and receives confirmation from the county council that the proposed columns and proposed attachments are suitable prior to works commencing**. Our additional banner specific requirements are set out below: -

- the content displayed on banners must not be of a commercial, political or offensive nature. We reserve the right to request details of all banner content prior to approval being given,
- wind deflecting brackets are used
- banners must be securely affixed to the lighting column with a 5mm thick neoprene gasket between the column and fixing bracket to avoid damage to the surface protection of the lighting column.
- catenary arrangements spanning the road between lighting columns are not permitted because of the potential loading on the columns – see section below about catenary arrangements
- banners must not encroach within 0.5m of edge of carriageway edge and the minimum height over the footway shall be 2.5m

Bunting

For the purpose of this guidance, bunting is defined as a street decoration consisting of a collection of small flags strung together, most commonly used for street carnivals for decoration.

In applying for permission to attach bunting, the applicant agrees to adhere to all sections and appendices of this document **and receives confirmation from the county council that the proposed columns and proposed attachments are suitable prior to works commencing**. Our additional bunting specific requirements are set out below: -

- bunting will not be permitted where the speed limit is above 30mph
- catenary arrangements spanning the highway using lighting columns are not permitted because of the potential loading on the columns – **where bunting is to span the highway using adjacent properties, the applicant needs to additionally read and comply with the provisions detailed in catenary arrangements below.**
- any damage found or caused to a lighting column must be reported immediately to the county council and the column should not be used for attachment
- bunting shall only be erected for the period agreed by the county council and shall be removed at the end of such period unless an extension of that period has been granted in writing by us
- bunting must not interfere with or obscure the column access door, lantern, attached road signs or column identification number

- bunting may be wrapped around the vertical part of the column only, and securely fixed. If installed, bunting is not permitted to be attached to bracket arms.
- no bunting shall be suspended or allowed to hang so that any part of it is less than 5.8 metres above the public highway or 2.5m above a footway, or as otherwise stated by the county council
- bunting should preferably be made of a water-resistant material to avoid extra weight in rain or snow,
- the maximum size of individual pennants to be 300mm long by 230mm wide,
- all fixings securing bunting are deemed to be temporary (permanent fixings on buildings accepted). Metal fixing clips, bands etc. are to be from galvanised or stainless steel with a 5mm thick neoprene rubber insert to prevent damage to the column surface coatings.

Catenary Arrangements

Prior to proceeding it is highly recommended that the applicant refers to the Institution of Lighting Professionals 'Guidance on installation and Maintenance of Seasonal Decorations and Lighting Column Attachments' (PLG06), relevant guidance notes issued by the Constructions Fixing Association and other guidance as appropriate.

In applying for permission to attach catenary arrangements, the applicant agrees to adhere to all sections and appendices of this document **and must obtain our approval prior to works commencing**. Our additional catenary arrangements requirements are set out below: -

The applicant needs to: -

- be aware that LCC lighting columns are not designed to accommodate catenary wires and permission is expressly forbidden to attach these.
- satisfy the county council that if cable spans are to be attached to adjoining buildings then they have secured the necessary agreements from the building owners
- ensure that the fixings are selected, supplied, installed and tested in accordance with BS 8539:2012+A1:2021 'Code of practice for the selection and installation of post-installed anchors in concrete and masonry,'
- ensure that the fixings are installed by persons who have acquired the necessary competencies to install anchorage systems,
- arrange for a structural survey to be carried out annually in accordance with BS 8539:2012+A1:2021 by a competent person to determine that fixings and fabric of the structure are still capable of withstanding the load prior re-use,

The Applicant shall

- ensure by means of calculations submitted by a Chartered Structural Engineer for **each** decorated cable span above the highway with a different space or windage area, that the proposed cable span(s) and associated attachments shall be of sufficient size and strength to support the decoration when subject to a wind pressure and exposure class as prescribed in the current Lighting Column Design Standard.

- ensure that no attachment shall be suspended or allowed to hang so that any part of it is less than 5.8 metres above the public highway or 2.5m above a footway, or as otherwise stated by the county council
- All cross road cable spans or spans greater than 30 metres are to be supported by means of a separate high tensile galvanised steel or stainless steel catenary wire or wires either continuously bound to the cable or attached at intervals not exceeding 250 mm by means of purpose designed clips. Alternatively, the span may be supported by means of an integral catenary wire incorporated into the cable during manufacture.
- The catenary wire must be securely attached at each end and at any intermediate supports.
- All catenary wires and intermediate supports shall be effectively earthed.

In respect of bunting catenary arrangements

- In line with the above, the Applicant needs to ensure that the bunting is fit for purpose
- that adjoining property owners have given permission
- that bunting is strong enough for the length of spans required without sagging below the minimum heights stated below
- no attachment shall be suspended or allowed to hang so that any part of it is less than 5.8 metres above the public highway or 2.5m above a footway, or as otherwise stated by the county council
- the bunting is not strengthened with poly cord, cables or catenary wires or be too strong that it would cause damage to the structure it is attached to, if for example it were to be caught by a vehicle,
- that the bunting does not cause damage to the structures it is attached to as a result of its weight, the materials used and/or other factors such as wind, rain or snow etc,

CCTV Camera, Footfall attachments and other items that collect or capture images (Also see Traffic Survey Equipment)

In applying for permission to attach CCTV and Footfall etc equipment, the applicant agrees to adhere to all sections and appendices of this document **and receives confirmation from the county council that the proposed columns and proposed attachments are suitable prior to works commencing.**

Where works are being carried out for a 'relevant authority, the licence needs to be issued to the public body, but the sub-contracting third party who carries out the work needs to provide evidence to the county council that they hold the requisite qualifications as outlined below.

Our additional CCTV/Footfall etc equipment requirements are set out below: -

- In considering such applications we can only allow applications from 'relevant authorities' their officers, employees, agents and contractors (providing they hold suitable qualifications) as defined by Section 33(5) of the Protection of Freedoms Act 2012.
- Applicants must agree to abide by [Surveillance Camera Code of Practice and 12 Guiding Principles 2013](#) or any successor legislation/guidance,

- Applicants must agree to abide by the county council's Closed-Circuit Television Policy
- Applicants must have registered as a data controller with the Information Commissioner's Office and will need to provide details of their registration number as evidence of their licence as part of the application,
- Applicants must have a Data Protection policy in force and make this available upon request
- Applicants comply with all statutory requirements including but not limited to UK GDPR and the Data Protection Act (2018), or any successor legislation/guidance
- the fixing bracket must not require the drilling of the column and must be attached using purpose made brackets with a 5mm thick neoprene gasket between the column and fixing bracket to avoid damage to the surface protection of the lighting column.
- the apparatus must not interfere or obscure the clear sight line for any traffic signage, traffic signals or junction

In terms of electricity supply the Licensee or the Licensee's appointed contractors are not permitted under any circumstances to remove or interfere with column door or other electrical cover to access the internal electricity supply. An external electricity connection will be provided via a waterproof 'commando' type socket. It is the Licensee's responsibility to attach the equipment to the column and connect it to the external waterproof socket. Should the county council find evidence that the electrical connection has been tampered with, the Licence will be withdrawn with immediate effect.

In addition, the Licensee is required to: -

- comply with the unmetered supply regulations in force at the time of connection until the total removal of Apparatus has been completed
- ensure that the attachment complies with appropriate electrical regulations and is free of electrical defects,
- that an electrical test has been carried out of the attachment upon connection and the test results are made available to the county council upon request,

Defibrillators

We will not normally allow defibrillators to be fixed to lighting columns and will only consider requests on a case-by-case basis.

In applying for permission to use street lighting columns the Applicant acknowledges that we will accept no liability for any loss caused as a result of the electricity supply within the column not working sufficiently to enable the defibrillator to work when required.

The applicant also agrees to adhere to all sections and appendices of this document **and receives confirmation from the county council that the proposed columns and proposed attachments are suitable prior to works commencing.** Our additional defibrillator equipment requirements are set out below: -

In considering such requests: -

- we can only consider requests from public bodies such as district or parish councils,

- there must be no other suitable premises close-by,
- the equipment must meet all our requirements in terms of weight and size,
- the applicant must have an unmetered MPAN in place to cover the cost of all electricity used,
- the siting of a defibrillator on a column must not cause the footway to be narrowed or to be otherwise obstructed,
- we will only columns to used that are supplied by an independent / distribution network operator (i.e. IDNO or DNO) electricity cable
- we will only allow columns to used which have not had a recent history of electricity supply failures

In addition, the Licensee is required to: -

- comply with the unmetered supply regulations in force at the time of connection until the total removal of Apparatus has been completed,
- ensure that the defibrillator is installed and maintained by a competent person
- ensure that the defibrillator attachment complies with appropriate electrical regulations, and is free of electrical defects,
- that an electrical test has been carried out of the attachment upon connection and the test results are made available to the county council upon request,
- that a record of maintenance visits is kept and that these are made available to the county council upon request

Electric Vehicle Charging Points

In order to expand the number of electric vehicle charging points in Lancashire, the county council will consider requests, from organisations who have been appointed by the council to run an EVCP network within Lancashire, to use lighting columns in this manner.

In applying for permission to use street lighting columns the Applicant agrees to adhere to all sections and appendices of this document **and receives confirmation from the county council that the proposed columns and proposed attachments are suitable prior to works commencing.**

Our additional vehicle charging point requirements are set out below: -

All installations must be designed with reference to appropriate guidance including: -

- Institution of Engineering and Technology – 'Code of Practice for Electric Vehicle Charging Equipment Installation'
- Institution of Engineering and Technology – ' Guide to Highway Electrical Street Furniture'
- BS 7430:2011+A1:2015 - Code of practice for protective earthing of electrical installations.
- Institution of Lighting Professionals GP03: Code of Practice for Electrical Safety in Highway Electrical Operations

In considering such requests: -

- we will only allow suitable steel columns, in an as new condition to be used to support external retro fit EVCP units,
- where columns are not as new the county council will at the Applicants request consider replacing existing columns on a rechargeable basis with columns that have integrated vehicle charging point,
- the county council consider the impact the charging point will have on the highway and highway users in terms of on-street parking implications, street clutter, mobility and accessibility etc and will only consider columns located towards the front of footways to be used
- we may wish to make changes to the highway to accommodate the proposed vehicle charging points. Such works may include, but may not be limited to, amending road layouts, amending on-street parking regulations, erection of additional signage and the use of white lines to create parking bays etc. It will be a condition of the licence being granted that the Applicant reimburses the county council for all such work,

With regards the electricity supply to the lighting column, it is the Applicants responsibility to: -

- contact the local Distribution Network Operator (DNO) in accordance with Energy Networks Association's 'Electric vehicle charging infrastructure installation notification procedure' with regards an 'adequacy of supply' assessment.
- determine the 'characteristics of supply' in accordance with BS 7671 and asses any special requirements that will affect the proposed works,
- note that where the supply characteristic of the lighting column is to remain PME (protective multiple earthing), a supply will only be granted if permission is provided by the appropriate DNO and the requirements of BS 7671 (Section 3.5.1) are met. The Applicant will also need to address and provide assurances with regards earth resistance readings.
- note that where the column uses a PME supply, the Applicant can only provide a trickle charge facility.
- note that where the Applicant wishes to change the supply characteristic of the lighting column from PME to a TT (Terre-Terre) supply, this can only be done with the prior agreement with the relevant Street Lighting Operations Manager (Design).
- consider the impact that the change to a TT supply will have on the lighting column the charging point is to integrated into / attached to, and all other equipment located within a 2-meter radius in the public realm and will be responsible for providing and installing earthing mats etc and meeting all costs associated with aligning the 'characteristics of supply of all affected equipment,

Prior to connection works the Applicant needs to: -

- Provide the necessary documents as outlined in General Considerations of this document,
- Provide evidence that the above factors have been considered and provide a summary of changes carried out to lighting columns electricity supply and earthing arrangements

Once approved the Licensee will need to

- Carry out periodic inspection and testing at suitable frequencies to ensure that the vehicle charging point doesn't pose a danger to the general public,
- Adhere to any all other terms contained within the county councils EVCP contract

Event Signage etc

Organisers of events or public safety campaigns need to seek the county council's permission prior to placing of temporary signs within the highway limits, including the fixing of such signs to street lighting columns or other highway furniture.

Where persons place signs in highway limits without our permission they are committing an offence and may be liable: -

- for a fine (maximum £2,500),
- to pay our costs associated with their removal
- to pay damages arising as a result of erecting the sign

In applying for permission to use street lighting columns the Applicant agrees to adhere to all sections and appendices of this document **and receives confirmation from the county council that the proposed columns and proposed attachments are suitable prior to works commencing**. Our additional Event Signage requirements are set out below.

Temporary signs which may be permitted include: -

- Direction signs to a **major** public event which will relieve associated traffic problems (This excludes events at locations which are adequately signed and is unlikely to apply to the typical car boot sale or antique fair,
- Signs advertising or giving directions to events promoted by a charity or non-profitmaking organisation,
- Road safety and other signs in the public interest
- Signs to housing developments in limited circumstances – these will be charged for in line with the provisions of the Road Traffic Regulation Act 1984
- Signs indicating the route of an approved rally etc
- Direction signs to the opening of a **major** retail or entertainment outlet (excluding seasonal and other occasional events).

Temporary signs which may NOT be permitted include: -

- Any which obstruct or interfere with the safe and convenient use of the highway

- Any form of advertising

Standard conditions which apply to permitted signs: -

- PERMISSION: - is granted by the county council in its role of the Highway Authority. Other permission (e.g. Local Planning Officer, Police etc) may also be required,
- CONTENT: – event name, location and/or directional arrow only. Capitals to be between 60mm and 280mm high, and lower-case height to be between 40mm and 200mm. Directional signs shall be black on yellow or white, or white on blue, or blue on white, except to housing developments which shall comply with DTp Drg (P)2701
- SIZE: - Rectangular, or with pointed end if directional, of minimum size necessary to accommodate the approved content, and not exceeding 1sq metre. Where signs are to be attached to lighting columns the size shall not exceed 0.3m². All to be non-luminous, non-reflective and non-illuminated.
- CONSTRUCTION AND FIXING: - Signs shall be weather resistant non-ferrous and of rigid material. Fixings shall be non-ferrous or plastic coated of a nature not to cause damage. Under no circumstance shall direct adhesion be used.
- DURATION: -
 - Non-commercial advertising: from 1 week before to 24 hours after the event.
 - Direction Signs: from 24hours before to 24hours after the event.
 - Direction Signs to opening of a new retail/entertainment outlet: from 24hours before to a maximum of 4 weeks.

Damaged, unsightly or dangerous signs shall be removed forthwith by the applicant at their own expense and similarly on expiry of the approved duration.

- LOCATION: - Duration signs are limited to the most appropriate route(s) between the event and major road(s). Advertising signs shall not be more than 2 miles from the event location. Attachment to existing street furniture is normally limited to lighting columns excluding any with permanent signs (other than parking restrictions or speed limit repeaters). In unlit rural areas permission may be given to their erection on the posts of simple informative signs (but not regulatory or warning signs). Signs shall not cause obstruction and the full footway width shall be maintained, unless a reduced width (minimum 1.8m) is specifically agreed. Signs shall only be permitted over verge or footway and not encroach within 0.5m of edge of carriageway. Maximum height shall be 4.0m and minimum height over footway 2.5m.
- INDEMNITY The person receiving permission shall at all times keep the county council and its agents fully and effectively indemnified from any consequences attributable to the proposal, arrange insurance cover to meet the cost of any potential claims and be able to produce evidence of public liability insurance cover with a minimum limit of indemnity of £10million

Applications to fix temporary signs etc within the highway should be submitted to the county council using the form at Appendix E

Festive Displays

In applying for permission to attach festive decorations, the applicant agrees to adhere to all sections and appendices of this document **and receives confirmation from the county council that the proposed columns and proposed attachments are suitable prior to works commencing**. Our additional festive decoration requirements are set out below: -

- If appropriate, please see Catenary Arrangements above also
- No decorations that contain flashing red, yellow or green lamps will be allowed within 10 metres of a set of traffic lights or a pelican crossing
- No decoration or its support shall project over the carriageway or within 0.5 metres of the kerb face at a height less than 5.8 metres above the road surface
- As the transit of large loads may be carried out at short notice, certain routes throughout the county may be designated as high load routes. No crossroad obstructions will be allowed below 7.5 metres above the carriageway on these routes. For further details of high load routes consult the Highway Asset Manager
- A clear 2.5 metres headroom shall be provided over any area open to pedestrian movement. Where pedestrian areas also permit vehicular access for emergency services and delivery vehicles, no decorations shall be mounted less than 5.8 metres above the road / pedestrian surface.
- The Applicant shall ensure by means of calculations submitted by a Chartered Structural Engineer for **each** decorated lighting column that 'an as new' column fully loaded with lantern, the decoration and its associated wiring and attachments shall comply with the requirements of the current LCC Lighting Column Specification with regard to strength and deflection. Similar calculations shall be submitted to show the adequacy of the attachments to the lighting column
- All brackets, clips, attachments, etc are to be manufactured from non-corrosive materials (e.g. galvanised steel or stainless steel) and shall be fitted with a 5mm thick neoprene rubber insert between the lighting column and the fixing.
- All festoon lamp holders shall be made from suitable materials sonically welded onto the outer sheath of the cable and shall preferably be suitable for Edison screw lamps. No "pinprick" type lamp holders are to be used unless applied by a purpose design machine that ensures proper connection and sealing.
- All electrical equipment mounted below 2.5 metres above ground level shall be supplied at a maximum 110 volts via a centre tapped transformer (55_0_55 volts) and shall incorporate a residual current circuit device (RCD) with a 30 milliampere rating. The RCD shall be installed in a suitable IP66 weatherproof enclosure next to the point of supply and shall be on the primary side of the transformer.
- Both the transformer and the RCD shall be located as close as practicable to the point of supply.
- Due to the potentially dangerous situation associated with large ground mounted Christmas trees, set pieces and tableaux, additional consideration should be given to the electrical safety of the installation and the use of a 25 volt AC Safety Extra Low Voltage power supply should be investigated. The reduced voltage should be provided by means of a safety isolating transformer to BS 3535-2:1990, BS 3535-1:1990, EN 60742:1989.

- Where the decorations or set pieces are mounted at ground level then additional precautions such as a barrier of suitable design and construction should be considered as a means to keep the public at a safe distance.

In terms of electricity supply the Licensee or the Licensee's appointed contractors are not permitted under any circumstances to remove or interfere with column door or other electrical cover to access the internal electricity supply unless they are competent to do so and hold a current G39 Electrical Safety qualification. An external electricity connection will be provided via a waterproof 'commando' type socket. It is the Licensee's responsibility to attach the equipment to the column and connect it to the external waterproof socket. Should the county council find evidence that the electrical connection has been tampered with, the Licence will be withdrawn with immediate effect.

In addition, the Licensee is required to: -

- comply with the unmetered supply regulations in force at the time of connection until the total removal of Apparatus has been completed
- ensure that the attachment complies with appropriate electrical regulations and is free of electrical defects,
- that an electrical test has been carried out of the attachment upon connection and the test results are made available to the county council upon request,

Flower Baskets

In applying for permission to attach flower baskets, the applicant agrees to adhere to all sections and appendices of this document **and receives confirmation from the county council that the proposed columns and proposed attachments are suitable prior to works commencing**. Our additional flower basket requirements are set out below: -

- The basket must have a minimum height above the footway or carriageway of 2.5m and must be a minimum of 0.5m from kerb edge and be of a 'wrap around' type, supported by its own brackets
- The basket must be securely affixed to the lighting column with a 5mm thick neoprene gasket between the column and fixing bracket to avoid damage to the surface protection of the lighting column.
- The fixing bracket must not require the drilling of the column and must be attached using purpose made brackets.
- Banding will not be allowed as a method for fixing temporary brackets to support the baskets to any tubular steel column.
- Total weight of the basket not to exceed 20kg in weight, to include basket, fittings, plants, soil when fully saturated

Signs

(For temporary event signage guidance, please see Event Signage as above)

These are signs which are not maintained by us but do require our approval before they are attached to lighting columns and include, neighbourhood watch, decorative village or parish boundary name signs and tourist signs etc

In applying for permission to attach signs, the applicant agrees to adhere to all sections and appendices of this document **and receives confirmation from the county council that the proposed columns and proposed attachments are suitable prior to works commencing**. Our additional sign requirements are set out below: -

- the content displayed on signs must not be of a commercial, political or offensive nature
 - we reserve the right to request details of all sign content prior to approval being given,
- signs must comply with size requirements stated in General Considerations,
- sign locations to be agreed with us prior to being attached and must not: -
 - interfere with or obscure the column access door, or the column identification number
 - be sited in such a way that they distract drivers / pedestrians at roundabouts, crossings etc obscure sightlines or other traffic signs
- must be fixed to lighting columns in such a way as to not damage the column or the protective coating
- banners must not encroach within 0.5m of edge of carriageway edge and the minimum height over the footway shall be 2.5m

Speed indicator devices/temporary vehicle activated signs

In applying for permission to attach speed indicator/vehicle activated signs, the applicant agrees to adhere to all sections and appendices of this document **and receives confirmation from the county council that the proposed columns and proposed attachments are suitable prior to works commencing**. Our additional speed indicator/vehicle activated signs requirements are set out below: -

- As these are generally temporary in nature – we will only allow battery powered devices to be attached,
- these items must comply with provisions contained in General Considerations with regards size and weight
- must be fixed to lighting columns in such a way as to not damage the column or the protective coating
- fixing brackets must be securely affixed to the lighting column with a 5mm thick neoprene gasket between the column and fixing bracket to avoid damage to the surface protection of the lighting column.

Temporary signs – please see Event Signs above

Traffic Counters – ground mounted

These are temporary devices that utilise carriageway tubes, cables or loops to count and collect traffic data. Whilst not specifically attached to lighting columns and not weight-bearing, these are still required to be licenced.

In applying for permission to attach traffic counter and similar equipment, the applicant agrees to adhere to all sections and appendices of this document **and receives confirmation from the county council that the proposed columns and proposed**

attachments are suitable prior to works commencing. Our additional traffic counter and similar equipment requirements are set out below: -

- Where security attachments are used to prevent theft, the outer sleeve must be such that it doesn't damage the column base or the column protection finish and must comprise of materials such as a rot-proof textile outer sleeve for chains or the use of plastic coated braided steel.
- Data Boxes or any associated component part of the data recording installation must not cause an obstruction or unduly affect Highway users.

Traffic Survey / Counting Equipment attached to lighting columns (including freestanding telescopic poles)

These provisions are intended to cover instances where battery powered video/radar and similar traffic survey / counting equipment is used for short periods of time that are either physically attached to a lighting column or are mounted on a telescopic pole that uses the column for support.

In applying for permission to attach traffic survey equipment, the applicant agrees to adhere to all sections and appendices of this document **and receives confirmation from the county council that the proposed columns and proposed attachments are suitable prior to works commencing.**

Where equipment is attached to a freestanding pole – and uses a column for support

- The mast should be installed vertically and in direct contact with the ground. The placement of the mast utilising the lighting column should be such that it places no stress or load bearing strain on the column.
- All lighting columns should be examined prior to installing the mast to make sure it is stable and safe to proceed. Applicants should look for any obvious signs of damage or fault with the structure such as bends, rust, loose inspection panels or possible exposed wiring and if there is any doubt about the suitability of the column it must not be used.
- The mast should be positioned so that when extended it does not block or obscure any signage already attached to the column.
- The mast should not obstruct access to the column door.
- Equipment must not mark or damage the lighting column. The mast should not come into direct contact with the lighting column and should be mounted using blocks and/or brackets which should be adjusted so the top mounting position is as high as possible (on the first section) and the lower around 20cm from ground level, this will provide maximum support to the mast while maintaining a vertical install.
- The mast should be secured to the lighting column with a minimum of two ratchet straps with a rating of 800kg or higher. More attachments points can be used to increase the stability of the install if required.
- Where used, metal fixing clips, bands etc. are to be from galvanised or stainless steel and should be used in conjunction with a 5mm thick neoprene gasket which should be inserted between the column and fixing to avoid damage to the surface protection of the lighting column.

- Where security attachments are used to prevent theft, the outer sleeve must be such that it doesn't damage either the column base or the column protection finish and must comprise of materials such as a rot-proof textile outer sleeve for chains or the use of plastic-coated braided steel.
- All ratchets, clips, bands and cable ties should be left tidy with no loose ends so that they do not represent a hazard to members of the public or distraction to drivers from ends flapping around.

Where equipment is to be attached to a lighting column

- the fixing bracket must not require the drilling of the column and must be attached using purpose made brackets with a 5mm thick neoprene gasket between the column and fixing bracket to avoid damage to the surface protection of the lighting column.
- the apparatus must not interfere or obscure the clear sight line for any traffic signage, traffic signals or junction

Where the survey equipment captures images

- We can only allow applications from 'relevant authorities' their officers, employees, agents and contractors (providing they hold suitable qualifications) as defined by Section 33(5) of the Protection of Freedoms Act 2012, so we will need to know on whose behalf the surveys are being carried out.
- The applicant must agree to abide by [Surveillance Camera Code of Practice and 12 Guiding Principles 2013](#) or any successor legislation/guidance,
- The applicant must agree to abide by the county council's Closed-Circuit Television Policy
- The applicant must have registered as a data controller with the Information Commissioner's Office and will need to provide details of their registration number as evidence of their licence as part of the application,
- The applicant must have a Data Protection policy in force and make this available upon request
- The applicant complies with all statutory requirements including but not limited to UK GDPR and the Data Protection Act (2018), or any successor legislation/guidance,
- We will not allow concrete, aluminium, cast iron, stainless steel, GRP (glass-reinforced polyester), passive safe or hinged columns to be used for this purpose,
- Equipment must not present a safety risk to members of the public whilst in situ. This includes potential trip hazards or an unreasonable physical obstruction that impacts the free passage of pedestrians, wheelchair users or prams, which forces them onto roads or presenting a risk of physical injury if struck etc.

5G Equipment

In order to improve the connectivity of residents and businesses of Lancashire we will work with Ofcom approved mobile network operators (MNOs) with regards the deployment of 5G equipment (including small cells, base stations, cell sites, repeaters, boosters, Wi-Fi-access points etc.) on lighting columns across Lancashire.

In applying for permission to attach 5G equipment, the applicant agrees to adhere to all sections and appendices of this document **and receives confirmation from the county council that the proposed columns and proposed attachments are suitable prior to works commencing**. Our additional 5G and similar equipment requirements are set out below: -

- we will only licence 5G equipment attachments to Ofcom approved MNOs
- we will provide 'open access' to suitable lighting columns – i.e. we will not enter into exclusive use of column agreements with single MNO's,
- 5G attachments must be capable of hosting multiple MNO's concurrently and applicants must be prepared to enter into Network Sharing Agreements if required, with other Ofcom approved MNO 5G providers in order to reduce the demand for use of lighting column assets,
- Licences will only be issued on a column by column basis,
- Licences will need to be renewed every 30 months in line with Institution of Lighting Professionals 'Guidance on installation and Maintenance of Seasonal Decorations and Lighting Column Attachments' (PLG06),
- Approved 5G equipment may need to be removed should the supporting column be damaged, requires replacing or is being relocated due to highway works etc,
- The county council will not be liable for loss of performance due to electricity supply issues,
- All installed 5G equipment must comply with: -
 - the International Commission on Non-Ionizing Radiation Protection 2020 document 'Guidelines for Limiting Exposure to Electromagnetic Fields (100 khz to 300 ghz) and all subsequent updates or amendments
 - the OFGEM document 'Implementation of measures to require compliance with international guidelines for limiting exposure to electromagnetic fields (EMF)'
- MNO's to comply with the Electronic Communications Code 2017 or any successor legislation
- these items must comply with provisions contained in General Considerations with regards size and weight,
- must be fixed to lighting columns in such a way as to not damage the column or the protective coating
- fixing brackets must be securely affixed to the lighting column with a 5mm thick neoprene gasket between the column and fixing bracket to avoid damage to the surface protection of the lighting column

In terms of electricity supply the Licensee or the Licensee's appointed contractors are not permitted under any circumstances to remove or interfere with column door or other electrical cover to access the internal electricity supply unless they are unless they are competent to do so and hold a current G39 Electrical Safety qualification. An external electricity connection will be provided via a waterproof 'commando' type socket. It is the Licensee's responsibility to attach the equipment to the column and connect it to the external

waterproof socket. Should the county council find evidence that the electrical connection has been tampered with, the Licence will be withdrawn with immediate effect.

In addition, the Licensee is required to: -

- comply with the unmetered supply regulations in force at the time of connection until the total removal of Apparatus has been completed
- ensure that the attachment complies with appropriate electrical regulations and is free of electrical defects,
- that an electrical test has been carried out of the attachment upon connection and the test results are made available to the county council upon request

Application to attach temporary item to a lighting column (s)	
Details of the Applicant:	
Name of Applicant:	
Address:	
Mobile telephone No	
Daytime telephone No:	Evening telephone No:
Email address	
Details the Attachment	
Attachment Type:	
Attachment Details (weight/dimensions)	
Period of attachment From To	
Location of attachment (s) include street names and column numbers – where column number is faded, missing or obscured, please include house numbers or building names to enable column identification	
Details of Emergency Contact	
Name:	
Address:	
Mobile telephone No.	
Daytime telephone No:	Evening telephone No:
Copy of £10m Public Liability insurance attached?	YES / NO
If Electrical Equipment – MPAN details attached?	YES / NO / Not Applicable
I have read the Guidance for the Fixing of Attachments to Street Lighting and Appendix 1 and Appendix 2 of this document.	YES / NO
I understand and agree to abide by the conditions in this document	YES / NO
Signature of Applicant:	
Date:	
If the location is within these district areas Lancaster, Ribble Valley, Burnley, Pendle, Hyndburn or Rossendale	Email this form to: - Streetlightae@lancashire.gov.uk
If the location is within these district areas Wyre, Fylde, Preston, West Lancashire, Chorley, or South Ribble	Email this form to: - streetlightingwest@lancashire.gov.uk
<p>TO BE COMPLETED BY THE COUNCIL</p> <p>On behalf of Lancashire County Council - Permission is hereby granted / granted as amended / refused</p>	
Signed _____ Dated _____	

Appendix D

Application to attach bunting over the highway (In accordance with s.178 of the Highways Act 1980)	
Details of the Applicant:	
Name of Applicant:	
Address:	
Mobile telephone No	
Daytime telephone No:	Evening telephone No:
Email address	
Details the of Event	
Name of Event:	
Date bunting to be erected: Date bunting to be removed.....	
Location of bunting (include house or building names and numbers, street names and other highway fixtures that bunting is proposed to be attached to):	
Details of Emergency Contact	
Name:	
Address:	
Mobile telephone No.	
Daytime telephone No:	Evening telephone No:
Copy of £10m Public Liability insurance attached	YES / NO
I have read the Guidance for the Fixing of Attachments to Street Lighting and Appendix 1 and Appendix 2 of this document.	YES / NO
I understand and agree to abide by the conditions in this document	YES / NO
Signature of Applicant:	
Date:	
If the location is within these district areas Lancaster, Ribble Valley, Burnley, Pendle, Hyndburn or Rossendale	Email this form to: - Streetlightae@lancashire.gov.uk
If the location is within these district areas Wyre, Fylde, Preston, West Lancashire, Chorley, or South Ribble	Email this form to: - streetlightingwest@lancashire.gov.uk
TO BE COMPLETED BY THE COUNCIL On behalf of Lancashire County Council - Permission is hereby granted / granted as amended / refused	
Signed _____ Dated _____	

Application Form

To place temporary signs for events or public safety campaigns in highway limits including on street lighting columns

Event/Campaign _____

Start Date _____ **End Date** _____

Nature of Event / Campaign _____

Promoter's Name: Promoter's Status: (commercial, charity, non-profit making etc)

Estimated daily attendance: _____

Area of interest: (National / Regional / Local) _____

Other relevant information: _____

I (name) _____ on behalf of the Promoter apply for permission to display signs in respect of the above event as illustrated on the attached schedule and agree to comply with the conditions set out in the Event Signage section - Appendix B of the 'Guidance for the fixing of Attachments to Street Lighting Columns

The schedule on a separate sheet should state for each sign the content, size, location and item fixed to. A sketch showing locations would assist.

Please reply to: -

PRINT NAME: _____ **Capacity** _____

Email address: _____ **Phone number** _____

Signature _____ **Date** _____

This form can be returned via email to enquiries@lancashire.gov.uk or via post to Lancashire Highway Services, Cuerden Way, Bamber Bridge, Preston, PR5 6BS

 TO BE COMPLETED BY THE COUNCIL
 On behalf of Lancashire County Council
 Permission is hereby granted / granted as amended / refused

Signed _____ Dated _____