



<p align="center"><b>ENGINEERING BOARD STREET LIGHTING GROUP</b></p>		
28 <sup>th</sup> March 2025	<p align="center"><b>NOTES OF MEETING</b></p>	

In attendance (online):

Keith Tovee	<b>(KT)</b>	East of England	Chair
Dean Wendelborn	<b>(DW)</b>	London	
Sue Kinsella	<b>(SK)</b>	South East	Vice Chair
Rob Baines	<b>(RB)</b>	Midlands	
Ron Parker	<b>(RP)</b>	North West	
Karl Rourke	<b>(KR)</b>	East Riding/Live Labs2	
Neal Weatherston	<b>(NW)</b>	HEA	
Mike Levack	<b>(ML)</b>	HEA	
Darren Hubbard	<b>(DH)</b>	North East	
Johnathan Hurley	<b>(JH)</b>	Wales	
Guy Harding	<b>(GH)</b>	ILP	Secretariat

Item		Action
<b>1</b>	<p><b><u>Apologies</u></b></p> <p>Ken Pitt (South West), Gary Wilson (Scotland), Stephen Dennis (National Highways) and Ian Moore (Yorkshire)</p>	
<b>2</b>	<p><b><u>Notes and any O/S actions from previous meeting</u></b></p> <p><b>ML</b> to research specialist guidance on asbestos handling. <b>NW</b> has discussed with an asbestos surveying and monitoring company. Advised that we would normally encounter white asbestos (Chrysotile) Cat B in electrical equipment. Removal advice is on HSE website detailing PPE and RPE. Operatives should perform Cat B training plus awareness training. Procedure is to bag up and call in specialist disposal companies. <b>ML</b> added that based on his previous experience HSE will not accept that operatives will not come across asbestos on older assets and all should undertake awareness training (online). <b>KT</b> asked if this was covered in HERS training. <b>NW</b> responded not currently but will look at including. <b>ML</b> commented that asbestos is more prevalent in old buildings and equipment than people realise and asked for it to be added to the safety committee to discuss for inclusion into HERS.</p> <p><b>RB</b> Commented that a colleague has asked a local company to survey circa 200 Cast Irons assets and 14 were found to contain asbestos in old DNO fuse carriers but advice was received that risk level as low. Suggested a RAMS for the industry would be useful.</p> <p><b>NW</b> has a bagged example of a carrier if needed.</p> <p><b>RP</b> Commented that HSE are looking at fuse carriers and asbestos can only be seen once the carrier is removed. Should DNO check before carrier removed? Asking for opinions on removing the carriers?</p>	

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	<p><b>NW</b> It's all about managing risk and when suspect carriers are spotted them RPE should be employed. <b>ML</b> reiterated that all operatives should have awareness training. <b>SK</b> agreed that it's about balancing risk.</p> <p><b>RB</b> said images of potential fuse carriers (BS3036) would be useful and could form part of a safety alert. <b>NW</b> to investigate further.</p> <p><b>ML</b> Review of sector schemes with <b>SD</b> and prepare an update. <b>ML</b> has not had any contact from <b>SD</b>, but national Highways are discussing the legal entity of the next chapter of sector scheme 8. <b>ML</b> to pursue.</p> <p><b>ML</b> Looking at safety alert process <b>ML</b> reported that none have been received from National Highways this year even though he can now receive them directly. He will share them as received. <b>SK</b> stated that previously we had discussed a central point in the industry for safety alerts who then distributes them. <b>ML</b> responded that it could be done by the HEA and email alerts sent. The current system of multiple sharing seems to work but many near misses are not reported and gaps in the numbering system are still obvious. Also, the HSE would not have the resources. <b>ML</b> to investigate further.</p> <p><b>KP</b> – Asked Richard Newing for a copy of the risk assessments for 30% dimming. Not seen so <b>GH</b> agreed to pursue with Richard.</p>	<p style="text-align: center;"><b>NW</b></p> <p style="text-align: center;"><b>ML</b></p> <p style="text-align: center;"><b>ML</b></p> <p style="text-align: center;"><b>GH</b></p>
<b>3</b>	<p><b><u>Health and Safety Issues plus Safety Alerts Distribution</u></b></p> <p><b>KT</b> – An alert previously distributed by email. Incident in Hull where two operatives were approached by a man with a knife and had to lock themselves in their vehicle. Also, an alert in Hammersmith where over-torqued bolts and/or bimetallic corrosion. See previous meeting minutes.</p> <p><b>SK</b> – Gravesend. Not a published alert but she was made aware by email of a member of the public attacking a Southern Water member of staff on 5.3.2025 late evening. The individual kept approaching the site after being asked to leave and punched the operative and also threatened them with a knife. Police arrested the individual and Southern Water have suspended night-time working in this location.</p> <p><b>RB</b> – Derby City working on a possible alert. Column failure with a potential overloaded column foundation failure. Little or no foundation in earth on a flange plated solar column. Other installations by the same contractor being investigated.</p> <p><b>RB</b>- Update on Orangetek luminaire failures. Report received which differs from the manufacturer's response. <b>RB</b> and Orangetek to meet.</p> <p><b>RB</b> - Reported a Thorn Isaro failure (broken casting) at side entry casting. Column shows small dent at column base but not a fresh impact. To be investigated.</p>	

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**Live Labs 2 – East Riding of Yorkshire Council Update**

**KR** – AI system is now fully functional and collecting data. First set of test sites (circa 50%) go live in one week's time. Two hour trail switch off to complete photography in mid Feb, no incidents. **KR** presented images of a roundabout with road studs before and after including solar powered VAS sign on high speed approaches plus class 3 road signs. A group of astronomers was invited to view Jupiter from the roadside.

Pedestrian only lighting sites – Only one with DC power system ready for next week. Install was relatively easy.

Virtual Reality set to be made ready for Minister for Future roads and Transport (Lilian Greenwood) visit.

Livelabs group will visit Westminster on 23.4.2025 to discuss with MPs. Discussion to be held with HEA/ILP/LIA around future carbon reporting.

Funding approved for year three including Lancashire and Oxfordshire sites.

Overall financial and carbon savings being reported, up to 80% carbon whole life savings and 70% financial.

Meeting yesterday with insurers to review data from AI leading to a report. Plus a legal report.

Biodiversity monitoring to be installed. Comms strategy being developed.

Livelabs Expo went very well with this project much more advanced than others.

Liverpool project site with park path delineation studs viewed but not useful for threat detection and scalability not obvious from one site.

Westminster trial due in summer 2025.

Smart Belisha beacons also being installed in East Riding for trial.

East Riding project being viewed as a flagship project and being references by others.

National Highways interested in de-linearisation schemes.


**KR** also showed AI camera (Trafxsafe) screen data and video showing traffic volumes, movements, speeds, vehicle types and times. Camera can detect potential conflicts and archives video segments for viewing. Poor driver behaviour highlighted over road layout issues.

**JH** – Are costs available for lighting switch off and amber stud installation against cost saving?

**KR** – Costs are based on 40 year life. Average cost per linear Km is £13,500 for install.

**JH** experience that cost is very high after last switch off. In East Riding, most sites were private network so switch off was easy. Sites will run for 12 months then assessed.

**KR** - Carbon and Financial decision tool is available which factors all costs in for use in business case preparation, available late summer. Plus a financial model including a maintenance fund to demonstrate that Exec directors cannot refuse these schemes.

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	<p><b>GH</b> – An article written by Karl will appear in the April edition of The Lighting Journal.</p> <p><b>KR</b> stated that there will be an article in April’s Highway Magazine talking about the carbon landscape and carbon literacy.</p> <p><b>KR</b> was visited by a solar luminaire manufacturer who had no idea about the products carbon footprint which demonstrated the lack of knowledge in the industry.</p> <p><b>DW</b> – Next year’s EXPO will be the last and will focus on non-participants.</p> <p><b>KT</b> – AI Cameras could save money in accident investigations.</p> <p><b>KT</b> – Comments made to him that pedestrian only lighting is just bollards. Is there more? <b>KR</b> responded that optics are special that only light the footway for navigation and threat assessment and do not light the carriageway.</p> <p><b>RB</b> – Interested in the glare results. <b>KR</b> - Photos to follow including a design report.</p>	<b>KR</b>
5	<p><b>Regional Updates</b></p> <p><b>Wales (JH)</b> No meeting since our last meeting and next is in April. Energy price now come down from 37.5p to 26.54p.</p> <p><b>Midlands (RB)</b> Last meeting was 24.3.2025 Requested comments on changes to BS5489 which <b>RB</b> will collate. Walsall asked about Christmas decorations and CDM regs. Warwickshire discussing alternative column install methods with ICPs. Commuted sums still an issue. Have ADEPT done any work on this? <b>KT</b> thinks it is still ongoing but will investigate. Staffordshire coming to the end of PFI and have emailed FHRG. The ILP has also communicated on this. Lincolnshire asking if anyone has specific procedures following flood events? Perhaps more relevant to traffic signal controllers rather than lighting which dries out OK. <b>RB</b> has revised the passive save column policy from risk averse to a default “NO” at 40mph. Question for <b>ML</b>. Doncaster asking about the average cost and annual increases for delivering the street lighting service. Cost of new connection has increased by 3.5% Would like a response from the HEA to help budget increases. <b>ML</b> to add to agenda for Technical Committee. <b>SK</b> asked for the passive safe policy to be shared.</p> <p><b>South East (SK)</b> <b>SK</b> Last Meeting 22.1.2025 attendance OK but not exceptional. One enthusiastic attendee from Surrey has had some recurring serious health issues and <b>SK</b> asked if</p>	<p><b>KT</b></p> <p><b>ML</b> <b>RB</b></p>

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ADEPT could send a card or similar. **KT** suggested that there are difficulties doing this.

Demarcation of responsibilities for Highway work. Someone was supposed to contact Julian Higgins at Hants CC, but nothing received. Stephen Dennis at National Highways to contact him. Was anything decided? **SD** has asked the meeting for examples and was due to give an update.

Southampton LED programme ongoing but issues with all- night/part night luminaires on the CMS system.

Brighton. Upgrading heritage lighting on the seafront will start column removal in April.

EV Charging – UKPN are questioning EV points on lighting columns causing debate. Dimming and switch off being extended in Hampshire.

Kent. Upgrade of Data Control Units was causing issues but now seems OK.

Lack of resource and devolution discussed.

Report on the “Hidden cost of darkness” issued by TRT which opposes part night lighting. Offer to discuss with the authors declined. GH to share with the minute distribution.

**London (DW)**

**DW** – Last LoLEG meeting was 28.2.2025 sponsored by ASD with 25 attendees including at least for new faces. Discussion led by ASD on sustainability and prevention against violence towards women and girls including smart technology. In WCC smart tech being used for monitoring including high crime areas deliberately without lighting.

Discussed, ATOMS, and lighting of workplaces standard BS12464-1 in relation to EV charging and cross pavement charging which some boroughs are trailing without awareness of earth touch potential issues.

PAS191 Smart city funding trails through DfT in last month of 13. Columns will not be available until trial is over.

Some authorities wanting to update CMS contracts. Energy prices similar to Wales.

Feedback from LoTag conference was that it was too long.

State of the city date that is collected shows asset age and a £2Bn backlog of which lighting is £270m. Columns being used for many other purposes and under investment is a risk.

Feedback given to **RB** re BS5489 update.

Solar and wind trials with seven different types is still a bit ad-hoc. Report expected to show that it still does not work through winter and more work needed including grid connected units.

**SD**

**GH**

**North West (RP)**

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**RP** – Most LED rollouts complete.  
Discussion on CMS and contact renewal. Lancashire devolution discussed that will see fourteen areas reduced to three.  
Energy saving and solar trails discussed.  
Feedback requested on BS5489.

**North East (DH)**  
**DH** – No meeting since our last national one.  
Collaborating with Staffordshire, Stoke and LB Islington to develop an options appraisal system/methodology to help with other PFIs.  
Incident with EV charging installed in a car park with sleeving attached to column adjacent to the EV feeder pillar. Sleeving blocks the door and also an adjacent by lighting pillar fed from the column is not protected. Lack of consultation with street lighting and understanding. EV officers are now revisiting all the sites.

**East of England (KT)**  
**KT** – Discussion on when dead services found when ICP doing a connection meaning work cannot continue and referred back to DNO can take months or years to resolve.  
25p is current energy price.  
Bedford performing dimming trials in five locations. Well received and greater dimming in rural areas proposed. Cambridgeshire looking at similar.  
Discussion on mains connected solar lanterns and how energy is metered.  
**DW** – These must be on a metered connection and recording on when each supply used. Elexon will not accept CMS figures.  
Attachment to water meters – allowing Lorawan Network (Long Range Wide Area Network) . Wanted 50qty now 400qty on a trial.  
ADEPT email signatures approved by the ADEPT Engineering Board for promotion. **SK** has added a logo as well.

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**National Updates**

**HEA**

**ML** – Excellent face to face meeting on Next Gen activity 6.3.2025 at SWARCO in Leicester. Group of 12-13 volunteers actively doing things. Called “HEA in a box”. For use at careers fairs etc.  
Joint event with ILP and LoLeg at Savoy Place on 10.4.2025 will focus on Next Gen.  
Daytime is free to attend with a chargeable dinner in the evening.  
Vision 2027 strategy still being developed and will become public later this year.

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Early engagement with the IET re update on update of CoP “Electrical Safety management in the Highway electrical Sector” Looking to publish Q3 of 2026 to tie into the wiring regs change.

Discussion of PAS2080 Carbon accounting and the lack of awareness.

Safe Systems in Procurement SSIP. Members having issues with having to gain reaccreditation to CHAS etc. How can we engage with procurement teams better to reduce the work needed.

Lack of understanding in the industry of HERS vs NICEIC accreditation. Its HEA’s job to communicate better. **ML** asked for feedback on both these issues from your procurement teams.

H&S Moment raised by David Marsden. **ML** shared photos of vehicles hit by trees in bad weather. No serious injuries. Discussion on sending operatives out on emergency works in serious weather. Clients expect this but risk is too high and “Do not go out” advice should be heeded.

**SK** – KCC managers advised for the first time ever that people should not be sent out in a severe weather event. Three fatalities were recorded, all of which were contractor or utility operatives.

**LCTF**

**NW** – Reported. Last meeting was end of Dec.

Key points discussed were BSI documents. BS7430 Earthing arrangements review.

BSI Flex 350 Lower carbon alternatives to concrete.

On Agenda for next meeting is review of Code of Practice and updating of test certificates with imminent update of BS7671 and EV charging infrastructure.

Next meeting is 15.5.2025 at ILP offices.

**ILP**

**GH** – Daventry event in February was successful and well attended.

Annual Conference is 18 – 19.6.2025 in Glasgow. Nine Technical papers on diverse themes. Next Technical Committee meeting is 2.4.2025 to include discussion on GN01 and SQM figures.

Upcoming Training: ELD Module C 7.4.2025 with spaces available plus upcoming on day course on Electrical Know How 28.4.2025, GN08 Course 28.4.2025

**National Highways**

**KT** - Reported on behalf of **SD** – DMRB and MCHW updates planned for late summer.

**UMSUG**

**SK** – Reported. Last meeting 19.3.2025. Question about generic LED and charge code if the lamp has an integral photocell. OID document states a standby power of 1 or

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	<p>1.5W. Applicant to be asked further questions. CMS fault reporting debate on who is responsible for correcting errors. It will be the Local Authority.</p> <p><b>DW</b> Commented that for an automated system the data input is manual.</p> <p>UMSUG looking at the benefit of fault report system and working group to be set up to include a customer representative.</p> <p>Valid combinations of charge codes and switch regimes updating looked at.</p> <p>Meter administrator stated that non half hourly to half hourly is not happening quickly enough. At current progress it will take 24 months, needs done in 7.</p> <p>Attachments such as festive decorations also debated, setting up an MPAN for a small supply. No change. What are local authorities supposed to do? Not resolved.</p> <p><b>BSI Representation</b></p> <p><b>RB</b> – BS5489 to be discussed at ILP Technical Committee.</p> <p><b>KT</b> has sent comments to <b>RB</b>.</p> <p><b>Well Maintained Highways</b></p> <p><b>KT</b> – The CoP is to be updated. Initial scoping work to be performed by Transport Research Laboratory. <b>KT</b> attended a steering group start up meeting on behalf of ADEPT and David Denner on behalf of UKLTB.</p> <p><b>OFGEM Review end to end review of regulatory framework</b></p> <p><b>SK</b> – Previously shared document. Comments received with thanks. GH - Response document to be distributed with the minutes. Acknowledgement of receipt by OFGEM.</p> <p><b>RB</b> – Is <b>SK</b> aware of work done by Craig at Doncaster? <b>SK</b> – Yes.</p> <p><b>Demarcation of Responsibilities for Highway Work (SD)</b></p> <p><b>KT</b> - At last meeting we requested any experiences to be sent to <b>SD</b> for comment and feedback.</p>	<b><u>GH</u></b>
<b>7</b>	<p><b><u>Membership and Representation</u></b></p> <p><a href="https://www.adeptnet.org.uk/membership">https://www.adeptnet.org.uk/membership</a></p> <p>Regional members to check ADEPT website is up to date</p> <p>Please add membership to email signatures to promote ADEPT.</p>	<b>ALL</b>



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8	<b><u>ADEPT Corporate Update / Information</u></b>  ADEPT Spring Conference is 22.5.2025. Focus on Economic resilience, Environmental resilience and Human resilience  Lunch and Learn seminars continue. Info on ADEPT website.	
9	<b>AOB</b> <b>DW</b> – LUCI Cities Lighting Summit London 23-25-4.2025	
10	<b><u>Next proposed Lighting Group Meeting</u></b>  Next meeting planned for 27.6.2025 in person. Westminster. <b>DW</b> has booked a room with AV facilities.	
11	<b><u>Other meeting dates:</u></b> UMSUG – 18.6.2025, 17.9.2025, 17.12.2025 UKLTB – 17.6.2025 Probably in Glasgow. ADEPT Engineering Board – 11.4.2025, 11.7.2025 and 10.10.2025.	
14	<b><u>ADEPT Engineering Board</u></b> <a href="https://www.adeptnet.org.uk/groups/engineering">https://www.adeptnet.org.uk/groups/engineering</a>	
15	<b><u>UK Lighting and Technology Board</u></b> <a href="http://www.ukroadsliaisongroup.org/en/UKRLG-and-boards/uk-lighting-technology-board/uk-lighting-board-minutes.cfm">http://www.ukroadsliaisongroup.org/en/UKRLG-and-boards/uk-lighting-technology-board/uk-lighting-board-minutes.cfm</a>	
16	<b><u>Unmetered Supplies User Group (UMSUG)</u></b> <a href="https://www.elexon.co.uk/group/unmetered-supplies-user-group-umsug">https://www.elexon.co.uk/group/unmetered-supplies-user-group-umsug</a>	